Fall 2012 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2035	Overall LMA	Total LMA						
Reclamation District No. 2035 Conaway	Rating	Miles						
,	M	12.09						
D / 11/		Maintena	nce Deficiancy		Enforc	ement	Design & System Obsolescence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Encroachments					3.79			
Supplemental USACE Erosion Survey	1.27		1.27	10.51%				
LMA Totals:	1.27	0.00	1.27	10.51%	3.79	0.00	0.00	0.00
LIVIA TOTAIS.	1.27	0.00	1.27	10.51%	3.79	0.00	0.00	0.00
Unit No. 01 Cache Creek Settling Basin	Overall Unit	Total Unit						
RB	Rating	Miles						
RD2035	A	2.01						
Detect Here		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 02 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
RD2035	M	7.57						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee							1	
Encroachments					1.78			
Supplemental								
USACE Erosion Survey	1.27		1.27	16.78%				
Unit Totals:	1.27	0.00	1.27	16.78%	1.78	0.00	0.00	0.00
Unit No. 03 Willow Slough Bypass LB	Overall Unit Rating	Total Unit Miles						
RD2035	Α	2.51						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					2.01			
Unit Totals:	0.00	0.00	0.00	0.00%	2.01	0.00	0.00	0.00

LMA District Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2035 Conaway

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)						
* Overall LMA Rating (Fall Only)			M							
	** Non-receipt of Su	ımmer or Winter Inspe	ection Reports may effec	ct overall annual rating						
	dusing the same criter	ria in the spring and ir	the fall.							
<u>FALL INSPECTIONS:</u> The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.										
comments										

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles
Unit No. 01 Cache Creek Settling Basin	Right	2.01

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	04/02/2012 - 04/02/2012		11/27/2012 - 11/27/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	11/27/2012 11/27/2012	Clay Thomas

LMR	Levee N	/lile	Catagony	gory Item + Total R Action/Comment		GPS Latitude	e/Longitude	Issue No.		
No.	Start E	End	Category	item	tion	ing +	Action/Comment	Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		o o DWR ID: DWR_RD	o o 2035_01_s _ 2012_	.5 _5
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		o O DWR ID: DWR_RD	0 0 2035_01_s _ 2012_	6
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		o O DWR ID: DWR_RD	o o 2035_01_s _ 2012_	1
4	0.02	2.01	Earthen Levee	Vegetation	WS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.677373 ° -121.709624 ° - DWR ID: DWR_RD		2 Y _2
5	0.02	2.01	Earthen Levee	Vegetation	LS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.677386 ° -121.709717 ° - DWR ID: DWR_RD		1 Y

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	11/27/2012 11/27/2012	Clay Thomas

Levee Mile Report Line	4							
Start Levee Mile	0.02							
End Levee Mile	2.01							
Location	Water Side							
Category	Earthen Levee							
Item	Vegetation							
Levee mile 0.02, the water	erside slope.							
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Levee Mile Report Line	5							
Start Levee Mile	0.02							
End Levee Mile	2.01							
Location	Land Side							
Category	Earthen Levee							
Item	Vegetation							
Levee mile 0.02, the landside slope.								

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Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles
Unit No. 02 Yolo Bypass	Right	7.57

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			М	
Date of Inspection	04/02/2012 - 04/02/2012		11/27/2012 - 11/27/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

				Wa	terwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 02	Yol	o B	ypass	Right	7.57	11/27/2012 11/27/2012	Clay Thoma	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
1	0.08	7.52	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on and easements.	the leve		38.676076 ° 3 -121.672405 ° -12 DWR ID: DWR_RD20		1 Y
2	0.08	7.52	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on and easements.	the levee		38.676076 ° 3 -121.672405 ° -12 DWR ID: DWR_RD20		2 Y 2
3	0.28	0.36	Supplemental	USACE Erosion Survey	ws	M Ma	Inspector Comments: 2006 - Wave wast some saturation slumping occurring. Te cracks evident in fine grained levee slop 2011 - Slumping of the lower toe. New son downstream end. 2012: Site is part of inventory, last inspected 2011. [2012 Site inventory]	ension/sep e materia slumped s f the exte	paration ils. section nded	38.673229 ° 3 -121.671732 ° -12 DWR ID:	8.672069° 1.671516°	4
4	1.19	1.23	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Small secti likely from wind wave. 2012: Site is part inventory, last inspected 2011. [2012 Sit	of the ext	ended ·	38.660050 ° 3 -121.669028 ° -12	8.659465 ° 1.668940 °	5
5	1.97	2.01	Supplemental	USACE Erosion Survey	ws	M Ma	Inspector Comments: 2006 - Wave wast some saturation slumping occurring. Te cracks evident in fine grained levee slop 2011 - Small sections of slumping lower downstream of bank rock. 2012: Site is pextended inventory, last inspected 2011. YOL_2-0_R]	ension/sep e materia bank, jus part of the	paration ils. st	38.648881 ° 3 -121.666653 ° -12	8.648178° 1.666385°	6
							DT DV 1			DWR ID:		070
6	2.23	4.01	Earthen Levee	Encroachments	LS	M En	DT : Ditch			38.645470 ° 3 -121.665573 ° -12 DWR ID: DWR_RD20		
7	2.25	2.58	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Erosion fro along entire length of the levee toe. Sev slumping bank along the toe. 2012: Site extended inventory, last inspected 2011. YOL_2-3_R]	eral sect is part of	ions of the	38.645319 ° 3 -121.665089 ° -12 DWR ID:	8.640997 ° 1.661878 °	7
8	2.76	3.23	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Wave was several sections of slumming bank along Site is part of the extended inventory, last [2012 Site ID: YOL_2-8_R]	g the toe.	2012:	38.638731 ° 3 -121.660247 ° -12	8.632783 ° 1.655864 °	8
9	4.06	4.37	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2006 - Wave wast some saturation slumping occurring. Se scallops present in lower levee slope/toe slumping. Tension/separation cracks ev grained levee slope materials. 2011 - Se erosion throughout the site. Site former 2012: Site is part of the extended invente 2011. [2012 Site ID: YOL_4-2_R]	everal smale due to solvident in filmall pock by called 3	all aturation ine- ets of 3.8.		8.618302 ° 1.645296 °	9

Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.57	11/27/2012 11/27/2012	Clay Thomas

1				
0.08				
7.52				
Water Side				
Earthen Levee				
Vegetation				
Levee mile 0.08, the waterside slope.				
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Levee Mile Report Line 2				

Levee Mile Report Line	2			
Start Levee Mile	0.08			
End Levee Mile	7.52			
Location	Land Side			
Category	Earthen Levee			
Item	Vegetation			
Levee mile 0.08, the landside slope.				
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Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles
Unit No. 03 Willow Slough Bypass	Left	2.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	04/02/2012 - 04/02/2012		11/27/2012 - 11/27/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Regina Cherovsky		Regina Cherovsky	

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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	11/27/2012 11/27/2012	Clay Thomas

LMR	Levee Mile		Catagory	Item *		Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	пеш	tion +	ng	Action/Comment	Start	End	Photo
1	0.04	2.49	Earthen Levee	Vegetation	LS		V1 : Control annual grass and weeds on the levee slopes and easements.	38.575459 ° -121.636418 °	38.590757 °	1 Y
			20100			Ма	and easements.		D2035_03_f _ 2012_	_1
2	0.04	2.49	Earthen	Vegetation	WS	Α	V1 : Control annual grass and weeds on the levee slopes	38.575459 °	38.590757 °	2
			Levee			Ма	and easements.	-121.636419 °	-121.665056 ° D2035_03_f _ 2012_	Y _2
3	0.08	2.09	Earthen	Encroachments	LS	М	DT : Ditch	38.575615 °	38.590877 °	973
			Levee			En		-121.636680 ° DWR ID: DWR_R	-121.657538 ° D2035_03_s _ 2012	_973

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	11/27/2012 11/27/2012	Clay Thomas

Levee Mile Report Line	1				
Start Levee Mile	0.04				
End Levee Mile	2.49				
Location	Land Side				
Category	Earthen Levee				
Item	Vegetation				
Levee mile 0.04, the landside slope.					
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2				
0.04				
2.49				
Water Side				
Earthen Levee				
Vegetation				
Levee mile 0.04, the waterside slope.				





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